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SOURCE Newspapers as indicated.

DEVELOP NEW SCALES, BEARINGS;
EXTEND USE OF CONVEYOR METHODS

NEW SCALE READS TO ONE-MILLIONTH GRAM -- Literaturnaya Gazeta, No 76, 21 Sep 49

Designers of one of the scientific laboratories of the Ministry of Machine and Instrument Building have built a set of scales which will weigh to a precision of one millionth of a gram. The range of measurements is 2 grams. Until now, scales of this class have only been able to read to 1/100,000 gram. The readings of the new scale must be read under a microscope.

DEVELOP LIQUID FRICTION BEARINGS -- Pravda Ukrainy, No 230, 29 Sep 49

The "Orgtyazhmash" All-Union Scientific Research Institute has developed the technology for producing liquid friction bearings. These bearings are needed for rolling mills of metallurgical plants. They serve from 5 to 6 years without change, whereas ordinary roller ball bearings require changing every half year or year.

Liquid friction bearings lengthen the operating time of rolling mills between repairs. The quality of the rolled stock improves since the distance between rollers is maintained by the use of these new bearings.

After the first batch of these bearings is manufactured this year, mass production will begin.

MAKE INSTRUMENTS FOR RESEARCH INSTITUTE -- Sovetskaya Latvya, No 222, 20 Sep 49

The "Etalon" Experimental Plant, Riga, has met the year plan for production of milligram, gram, and 5-kilogram weights.

The plant has made some instruments for testing manometers and manovacuometers and for checking weights. They are to be sent to the Novosibirsk Scientific Research Institute for Measuring Instruments.

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DESIGN DEVICE FOR INSPECTING WATER PIPES -- Moskovskiy Bol'shevik, No 223, 21 Sep 49

A member of the Leningrad Scientific Research Institute of Public Utilities has designed an original instrument, a periscope for inspecting the internal condition of water pipes in the city's water network without uncovering the pipes.

The instrument consists of a small metal tube with a system of optical lenses and a small electric lamp. A small aperture is drilled in the wall of the pipe and, with the aid of the periscope, the cracks, sand deposits, and rust are examined.

A small number of periscopes have already been built for the city's use.

LENGTHEN ASSEMBLY CONVEYOR -- Vechernyaya Moskva, No 232, 29 Sep 49

The assembly conveyor at the Kalibr Plant micrometer shop has been lengthened 27 meters.

CONVEYORS BOOST INSTRUMENT PLANT OUTPUT -- Pravda Ukrainy, No 232, 1 Oct 49

Conveyor lines in the twist-drill and chuck shops of the I'vov Instrument Plant have increased production 2.5 times. The plant has fulfilled the Five-Year Plan for volume of production and reached the level of output set for 1950.

CONVERTS TO CONVEYOR METHODS, DOUBLES PRODUCTION -- Vechernyaya Moskva, No 229, 26 Sep 49

Production at the Moscow Instrument Plant has nearly doubled in comparison with last year as a result of conversion to conveyor methods of production. Conveyor belts are now being set up to bring about a closed production cycle, i.e., from the materials supply room to the finished-production storage warehouse.

NEED SPARE PARTS FOR MACHINE TOOLS -- Pravda, No 266, 23 Sep 49

The Ivanovo Plant imeni 8 March was equipped with new automatic machine tools during 1948 - 1949 and, as a result, has been meeting its production norms. However, it has been unable for the past 8 months to obtain the necessary spare parts for these tools because the Maydakovskiy Plant of the "Glavmashtetal" (Main Administration of Machinery Parts) of the Ministry of Light Industry, which supplies them, has not been fulfilling its norms. The latter is scheduled to produce 118 different parts, but during 1949 has managed to turn out only 22. For some unknown reason, it has been refusing the assistance offered by the Klimovskiy Plant of the Ministry of Machine and Instrument Building, original producer of the machine tools.

Similarly, the Shuya and Lezhnevo factories of Ivanovo Oblast are short of spare parts.

PLANT'S RELEASE WORKING CAPITAL -- Sovetskaya Estoniya, No 209, 4 Sep 49

Among the enterprises in Zhdanovskiy Rayon, Moscow, which were outstanding in the release of working capital to the state, were the Bearing Plant imeni L. M. Kaganovich, which turned in 11 million rubles, and the Tire Plant, which released 4.5 million rubles.

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TBILISI PLANT DOING WELL, CHALLENGES OTHERS -- Zarya Vostoka, No 187, 23 Sep 49

The Tbilisi Machine-Tool Building Plant imeni Kirov, which is meeting its production norms, has challenged all the city's industrial enterprises to socialist competition.

"THROUGH" PRODUCTION IN BEARING PLANT -- Sovetskaya Belorussiya, No 176, 4 Sep 49

At the First State Bearing Plant imeni L. M. Kaganovich, the grinding division of the ball-bearing shop has been organized for "through" production, i.e., for the completion of all the steps of a given process by a single worker. Thus, each worker has been made responsible for the work of the shop as a whole.

EXCEEDED PLAN FOR CAPITAL TURNOVER -- Vechernyaya Moskva, No 232, 29 Sep 49

The Kalibr Plant, Shcherbakovskiy Rayon, Moscow, pledged to release 4,840,000 rubles of working capital during the current year. Actually, it released 6,452,000 rubles in 7 months.

The Rostokinskiy Construction-Machinery Plant, in this same rayon, overfulfilled its year pledge by more than one million rubles.

PLANT FULFILLS PLAN -- Krasnaya Zvezda, No 230, 29 Sep 49

The Machine-Tool Building Plant imeni 23 October fulfilled its Five-Year program both in volume of production and number of types of products. In addition, it is 3 percent over its 1950 assignment for labor productivity. In comparison with 1946, cost of production has been cut three times.

The plant shortened the working capital turnover cycle 31 days in comparison with 1948. It has released 2,549,000 rubles to the state.

The plant is the second enterprise in the city of Melitopol' to complete the postwar Five-Year Plan ahead of schedule.

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